



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

RECEIVED

BY *SW* DATE 12/18/06

MEMORANDUM

Date: December 13, 2006

Subject: Contract Laboratory Program Data Review

From: *Marvelyn Humphrey*, Marvelyn Humphrey, ESAT Regional PO, 6MD-H

To: G. Baumgarten, 6SF-RA

Site : JONES ROAD GROUND WATER PLUME

Case# : 35905

SDG# : F27K0

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.



212873

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: December 13, 2006

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Michael J. Fertitta, Data Reviewer, ESAT MJF

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ
by 27

SUBJECT: CLP Data Review

Contract No.: EP-W-06-030
TO No.: 002
Task/Sub-Task: 2-11
ESAT Doc. No.: 6002-211-0155
TDF No.: 6-06-178A
ESAT File No.: 0-0101

Attached is the data review summary for Case # 35905

SDG # F27K0

Site Jones Road Ground Water Plume

COMMENTS:

I. LEVEL OF DATA REVIEW

Standard data review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

CCS and hardcopy review determined that the data package was contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 104 for this data package. All results were acceptable.

IV. OTHER AREA OF CONCERN

The cooler temperature (8°C) was above the range specified by the SOW (2°C to 6°C) upon sample receipt.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099**

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	35905	SITE	Jones Road Ground Water Plume
LABORATORY	DATAC	NO. OF SAMPLES	2
CONTRACT#	EP-W-05-026	MATRIX	water
SDG#	F27K0	REVIEWER (IF NOT ESB)	ESAT
SOW#	SOM01.1	REVIEWER'S NAME	Michael J. Fertitta
SF#	302DD2CNK	COMPLETION DATE	December 13, 2006

SAMPLE NO.	F27K0	_____	_____	_____	_____
	F27L8	_____	_____	_____	_____
	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____

DATA ASSESSMENT SUMMARY

TVOA

1. HOLDING TIMES	O
2. GC/MS TUNE/INSTR. PERFORM.	O
3. CALIBRATIONS	O
4. BLANKS	O
5. DMC/SURROGATES	O
6. MATRIX SPIKE/DUPLICATE/LCS	O
7. OTHER QC	N/A
8. INTERNAL STANDARDS	O
9. COMPOUND ID/QUANTITATION	O
10. PERFORMANCE/COMPLETENESS	O
11. OVERALL ASSESSMENT	O

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN:

NOTABLE PERFORMANCE:

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW
Jones Road
CASE 35905 SDG F27K0 SITE Ground Water Plume LAB DATAC

COMMENTS: This SDG consisted of two water samples for TVOA analysis following SOW SOM01.1. The sampler identified sample F27K0 as the laboratory QC sample. Trip blank sample F2885 and field blank sample F2897, both from SDG F27M1, were associated with the samples in this SDG.

Standard review was performed for this package as requested by the Region. The target compounds of concern were vinyl chloride, trans-1,2-dichloroethene, cis-1,2-dichloroethene, and tetrachloroethene with the user's desired detection limit of 1 µg/L. Both samples met the user's desired detection limit criteria. No target compound of concern was detected at a concentration above the desired detection limit although tetrachloroethene was detected at the CRQL in sample F27K0. No other compound was detected at a concentration at or above the CRQL.

All results are technically acceptable. ESAT's final data qualifiers in the Data Summary Table (DST) indicate the technical usability of all reported results. An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. The laboratory met the contractual and technical holding time criteria. The pH values indicated that the samples were acid-preserved. The cooler temperature (8°C) was above the range specified by the SOW (2°C to 6°C) upon sample receipt. In the reviewer's opinion, the cooler temperature was not excessive and did not affect the data usability.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number

SDG: SDG Number

EPASAMP: EPA Sample Number

LABID: Laboratory File/Sample ID

MATRIX: Sample Matrix

ANDATE: Sample Analysis Date

ANTIME: Sample Analysis Time

CASNUM: Compound CAS Number

ANALYTE: Compound Name

CONC: Compound Concentration

VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)

UNITS: Concentration Units

ADJCRQL: Adjusted Contract Required Quantitation Limit Value

SMPDATE: Sampling Date

STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC QA REVIEW
CONTINUATION PAGE

Jones Road

CASE 35905 SDG F27K0 SITE Ground Water Plume LAB DATA

2. Tuning/Performance: Acceptable. All BFB analyses met GC/MS tuning criteria.

3. Calibrations: Acceptable. The laboratory met all contractual calibration criteria although 1,4-dioxane did not meet the technical minimum RRF criteria for all calibrations. The reviewer did not qualify the 1,4-dioxane results for the outlying RRF's because the raw calibration data demonstrated that the laboratory had no problem detecting 1,4-dioxane at the CRQL.

4. Blanks: Acceptable. The laboratory blanks were contractually compliant although they contained methylene chloride and/or methyl tert-butyl ether at concentrations below the CRQL's. Because of this laboratory contamination, the methyl tert-butyl ether result below the CRQL for sample F27K0 was "U"-flagged at the CRQL on the DST.

Field/Trip Blanks: The field and trip blanks contained chloromethane, acetone, and/or toluene at concentrations below the CRQL's. Because of the field and shipping contamination, the chloromethane result below the CRQL for sample F27K0 was "U"-flagged at the CRQL on the DST.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates: Acceptable. All DMC recoveries were within the QC limits.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS): Acceptable. All MS/MSD results were within the QC limits.

7. Other QC: Not Applicable.

8. Internal Standards (IS): Acceptable. IS performance was acceptable for all analyses.

9. Compound Identity (ID)/Quantitation: Acceptable. Tetrachloroethene was detected at the CRQL in sample F27K0. No other compound was detected at a concentration at or above the CRQL. The reviewer detected no problem with compound identification or quantitation.

10. Performance/Completeness: Acceptable. The data package was complete. The DST in this report is the final version.

11. Overall Assessment: All results are technically acceptable.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- C** Identification of pesticide or aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).
- X** Identification of pesticide or aroclor could not be confirmed by GC/MS when attempted.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	67-64-1	Acetone	5.0	U	ug/L	5.0	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	71-43-2	Benzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	123-91-1	1,4-Dioxane	20	U	ug/L	20	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	108-10-1	4-Methyl-2-Pentanone	5.0	U	ug/L	5.0	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	108-88-3	Toluene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	95-47-6	o-Xylene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	100-42-5	Styrene	0.50	U	ug/L	0.50	11/15/2006	ES11643

35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27K0	6320010001	W	11/22/2006	16:18:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	ES11643
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-71-8	Dichlorodifluoromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	74-87-3	Chloromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	74-83-9	Bromomethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-00-3	Chloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-69-4	Trichlorofluoromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-35-4	1,1-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	67-64-1	Acetone	5.0	U	ug/L	5.0	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-15-0	Carbon disulfide	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	79-20-9	Methyl acetate	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-09-2	Methylene chloride	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	156-60-5	trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	1634-04-4	Methyl tert-butyl ether	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	156-59-2	cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	78-93-3	2-Butanone	5.0	U	ug/L	5.0	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	67-66-3	Chloroform	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	110-82-7	Cyclohexane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	56-23-5	Carbon tetrachloride	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	71-43-2	Benzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	123-91-1	1,4-Dioxane	20	U	ug/L	20	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	79-01-6	Trichloroethene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	108-87-2	Methylcyclohexane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	10061-01-5	cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	108-10-1	4-Methyl-2-Pentanone	5.0	U	ug/L	5.0	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	108-88-3	Toluene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	79-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	127-18-4	Tetrachloroethene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	591-78-6	2-Hexanone	5.0	U	ug/L	5.0	11/15/2006	FV11135

35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	124-48-1	Dibromochloromethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	106-93-4	1,2-Dibromoethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	108-90-7	Chlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	100-41-4	Ethylbenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	95-47-6	<i>o</i> -Xylene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	179601-23-1	m,p-Xylene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	100-42-5	Styrene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	75-25-2	Bromoform	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	98-82-8	Isopropylbenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135
35905	F27K0	F27L8	6320010004	W	11/22/2006	17:26:00	87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	11/15/2006	FV11135

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No.	35905	SDG No.	F27K0	SDG Nos. To Follow	SAS No.	Date Rec	11/30/06																																																		
EPA Lab ID:	DATAC			ORIGINALS	YES	NO	N/A																																																		
Lab Location:	Salt Lake City, UT			CUSTODY SEALS																																																					
Region:	6	Audit No.:	35905/F27K0		1. Present on package?	X																																																			
Resubmitted CSF?	Yes	No	X	2. Intact upon receipt?	X																																																				
Box No(s):	1			FORM DC-2																																																					
COMMENTS:	<p>Note: The TR/COC Record was a photocopy that was not labeled with the location of the original. The reviewer identified the location in-house and labeled the TR/COC Record with the required information.</p>																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>3. Numbering scheme accurate?</td> <td>X</td> </tr> <tr> <td>4. Are enclosed documents listed?</td> <td>X</td> </tr> <tr> <td>5. Are listed documents enclosed?</td> <td>X</td> </tr> <tr> <td>FORM DC-1</td> <td></td> </tr> <tr> <td>6. Present?</td> <td>X</td> </tr> <tr> <td>7. Complete?</td> <td>X</td> </tr> <tr> <td>8. Accurate?</td> <td>X</td> </tr> <tr> <td>CHAIN-OF-CUSTODY RECORD(s)</td> <td></td> </tr> <tr> <td>9. Signed?</td> <td>X</td> </tr> <tr> <td>10. Dated?</td> <td>X</td> </tr> <tr> <td>TRAFFIC REPORT(s) PACKING LIST(s)</td> <td></td> </tr> <tr> <td>11. Signed?</td> <td>X</td> </tr> <tr> <td>12. Dated?</td> <td>X</td> </tr> <tr> <td>AIRBILLS/AIRBILL STICKER</td> <td></td> </tr> <tr> <td>13. Present?</td> <td>X</td> </tr> <tr> <td>14. Signed?</td> <td>X</td> </tr> <tr> <td>15. Dated?</td> <td>X</td> </tr> <tr> <td>SAMPLE TAGS</td> <td></td> </tr> <tr> <td>16. Does DC-1 list tags as being included?</td> <td>X</td> </tr> <tr> <td>17. Present?</td> <td>X</td> </tr> <tr> <td>OTHER DOCUMENTS</td> <td></td> </tr> <tr> <td>18. Complete?</td> <td>X</td> </tr> <tr> <td>19. Legible?</td> <td>X</td> </tr> <tr> <td>20. Original?</td> <td>X</td> </tr> <tr> <td>20a. If "NO", does the copy indicate where original documents are located?</td> <td>X</td> </tr> </table>								3. Numbering scheme accurate?	X	4. Are enclosed documents listed?	X	5. Are listed documents enclosed?	X	FORM DC-1		6. Present?	X	7. Complete?	X	8. Accurate?	X	CHAIN-OF-CUSTODY RECORD(s)		9. Signed?	X	10. Dated?	X	TRAFFIC REPORT(s) PACKING LIST(s)		11. Signed?	X	12. Dated?	X	AIRBILLS/AIRBILL STICKER		13. Present?	X	14. Signed?	X	15. Dated?	X	SAMPLE TAGS		16. Does DC-1 list tags as being included?	X	17. Present?	X	OTHER DOCUMENTS		18. Complete?	X	19. Legible?	X	20. Original?	X	20a. If "NO", does the copy indicate where original documents are located?	X
3. Numbering scheme accurate?	X																																																								
4. Are enclosed documents listed?	X																																																								
5. Are listed documents enclosed?	X																																																								
FORM DC-1																																																									
6. Present?	X																																																								
7. Complete?	X																																																								
8. Accurate?	X																																																								
CHAIN-OF-CUSTODY RECORD(s)																																																									
9. Signed?	X																																																								
10. Dated?	X																																																								
TRAFFIC REPORT(s) PACKING LIST(s)																																																									
11. Signed?	X																																																								
12. Dated?	X																																																								
AIRBILLS/AIRBILL STICKER																																																									
13. Present?	X																																																								
14. Signed?	X																																																								
15. Dated?	X																																																								
SAMPLE TAGS																																																									
16. Does DC-1 list tags as being included?	X																																																								
17. Present?	X																																																								
OTHER DOCUMENTS																																																									
18. Complete?	X																																																								
19. Legible?	X																																																								
20. Original?	X																																																								
20a. If "NO", does the copy indicate where original documents are located?	X																																																								

Over for additional comments.

Audited by: Michael J. Fertitta
 Audited by: _____
 Audited by: _____

Signature

Michael J. Fertitta/ ESAT Data Reviewer

Date 12/08/06

Date _____

Date _____

DC-2 _____



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 35905
DAS No:

R

Region: 6	Date Shipped: 11/15/2006	Chain of Custody Record	
Project Code: 123739	Carrier Name: UPS	Released By	Sampler Signature: <i>Weller</i>
Account Code: CERCLIS ID:	Airbill: 1Z66V0692210005978	(Date / Time)	(Date / Time)
Spill ID:	Shipped to: Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700	1	<i>Released 11/15/06 1700</i>
Site Name/State: JONES RD GW PLUME FEDERAL SUPER		2	
Project Leader: BILL HARDMANT		3	
Action: Sampling Co: Shaw Environmental, Inc.		4	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F27K0	Ground Water	/G	Trace VOA (14)	325671 (HCL), 325672 (HCL), 325673 (HCL), 325674 (HCL), 325675 (HCL), 325676 (HCL), 325677 (HCL), 325678 (HCL), 325679 (HCL) (9)	ES11643	S: 11/15/2006 7:50		-
F27L8	Ground Water	/G	Trace VOA (14)	363287 (HCL), 363288 (HCL), 363289 (HCL) (3)	FV11135	S: 11/15/2006 13:04		-
F27M1	Ground Water	/G	Trace VOA (14)	325692 (HCL), 325693 (HCL), 325694 (HCL), 325695 (HCL), 325696 (HCL), 325697 (HCL), 325698 (HCL), 325699 (HCL), 363099 (HCL) (9)	FV11210	S: 11/15/2006 12:15		-
F27Q7	Ground Water	/G	Trace VOA (14)	363269 (HCL), 363270 (HCL), 363271 (HCL) (3)	JR11655	S: 11/15/2006 8:22		-
F27Z5	Ground Water	/G	Trace VOA (14)	363278 (HCL), 363279 (HCL), 363280 (HCL) (3)	TH11602	S: 11/15/2006 10:55		-
F27Z6	Ground Water	/G	Trace VOA (14)	363281 (HCL), 363282 (HCL), 363283 (HCL) (3)	TH11603	S: 11/15/2006 11:51		-
F2804	Ground Water	/G	Trace VOA (14)	363272 (HCL), 363273 (HCL), 363274 (HCL) (3)	TH11703	S: 11/15/2006 9:49		-
F2805	Ground Water	/G	Trace VOA (14)	325689 (HCL), 325690 (HCL), 325691 (HCL) (3)	TH11713	S: 11/15/2006 10:40		-

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F27K0, F27M1	Additional Sampler Signature(s): <i>Weller</i>	Chain of Custody Seal Number:
Analysis Key: Trace VOA = Trace VOA	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

TR Number: 6-043013577-111506-0012

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

703/818-4200

F2V6.1.047 Page 1 of 3